SAM (REX/Ops) Operations Meeting 2008.04.08

Present: Adam (typist), Randolph, SteveW, Eric, Art, Krzysztof (phone at first, later in person), Angela, Parag, Robert, Jerry, SteveS, Anil
Meeting time: 43 minutes

For reports submitted to the meeting...
The report text is in this font
Comments made during the meeting are in this font inline with the report

Releases:

No new releases. New Omniorb and python releases seem happy.

DØ:

Apr. 7, 2008:
D0-9940B has only 40 blank tapes
samlto2 has 4 bad movers and only 62 blank tapes

Apr. 5: A couple fcp problems, one on "d0srv069" and another on
This is the recocert durable location. The machine was restarted and services did not come up. Even after starting services by hand, fcp still did not start since it had the wrong config (not sure how it ever worked). Had to get sysadmins to override Andrew's configuration files. There is no monitoring of this machine - need to add to NGOP.

Apr. 5, 2008:
3 Movers (994009 , 994020, D41CLTO) OFFLINE and 1 DEAD (I forwarded the shifter's email to enstore-admin)

Unresolved issues:

#3511: new application/version request (Should have been handled but somehow, I've sent an email to urge
the next shifter).
Is done

#3509: "VO membership expiration for Dzero VO": Nobody seems to have complained. I wonder whether the extension has already been
done by Parag.
Parag closed the issue. But mail was sent out in Alan Jonckherre's name and everyone complained back to him (Alan is on furlough). Need to change the "from" to a mailing list.

#3508: "Registering a SAM version" : Already done and waiting for the user to confirm that everything is working.

#3504: "fcp queues at samgrid.indiana.edu need attention" ?? fcp in samgrid.indiana.edu is down ?

Adam asked sysadmin (Thom) to restart. We don't know why fcp failed, but Robert told him about his new version that won't crash when run out of file descriptors.

There was a tape that had gone no access - went Not allowed - enstore admin replaced the bar code, but forgot to reinstate the tape as allowed. So it sat over a week until a user noticed this.

There are two large cache disks for the SAMGrid station - One of them (d0srv071) had its SATABeast array go read only. No one noticed (neither us or FEF) this for two days. We noticed because fcp stopped working since so many transfers were going through the other machine. There is an entry in NGOP, but it is greyed out. Although we have two machines here, if one fails the remaining one is not sufficient for the demand. Need to review the NGOP config and add new stuff.

CDF:

Here's the CDF report:

week characterized by the restart after the major downtime and SAM migration.
SAM system available again starting from April 1st, but various
troubles in the CAF users during the
time needed to propagate in the whole system the migration changes
(parameters of the sam_config qualifiers,
DbServer names, etc.).

Specific problems:

April 4th: DCache pool fcdfdata135 unpingable: happened two-times,
help-desk ticket opened both times:
fixed by rebooting the system (Etta and Rennie)
This is a recurring with this machine. But this is one of only two pool nodes dedicated to the b group (its a semi-new machine). Perhaps ask FEF to do more investigating.

April 6th: SAM nameservice died around 11:20, Angela restarted it.
Same problem again, late during the night,
traced and fixed by Krzysztof/Angela (problem in the new central sam
machine). All central servers restarted,
system fully operational Apr. 7th 9:45.

#3508 "Registering a SAM version" : Already done and waiting for the user to confirm that everything is working

Pending Requests
a couple of things need to be updated in the CDF SAM *(really DH at glance)* at a glance web

monitor and SAM TV, related to the
SAM migration (already in Angela's To-do list).
- LTO3_05 mover still unavailable (powerup fails).
- fcdfdata320 still offline.

Raw data is now being logged. Last week, the raw data was being taken, but data were not being stored into SAM. That was traced to problems in the config files (not using the right nameservice). Have a plan for migrating the dbServers on the CSL - meeting with online folks to discuss.

Two nameservice outages Sunday night and Monday - log area filled up -- all DBservers, stations, and other services were writing logs to the same place (an NFS mounted meant to be web servable). The purge jobs were not running yet. Still debugging script. And now log files are not all going to the same disk.

Left on the list for the SAM migration:
o Online CSL needs to be upgraded
o Haven't heard from remote sites yet about migrating. (Thomas is online - he upgraded manually; Thomas already had the sam_ns_ior; setup is working). The sam_ns_ior package should have been pushed by CDF code last night. Thomas will check -- Thomas checked - got sam_client_products v3_7, but products depends on sam 8_2_2 but that is not installed - Krzysztof and Angela will follow up.
o Finalize configuration of log files
o CDF DH at a Glance mislabeling of plots
o SAMTV needs to be fixed
o Web server machine (cdfsamwww) needs to be migrated
o SAM shifter documentation needs to be updated (especially the snapshot of where things are).

MINOS:
General

   Minos Collaboration Meeting - Sussex 3-6 April

   AFS - Timeouts continue, being declared normal *(per machine, about once a month, lose AFS access for a few minutes).*

Enstore -

   LTO-4 copies continuing, over 7 TB so far to 11 tapes
      14 write errors on 8 tapes *(Failure rates are **much** worse that for other types of tapes, has this been caught in enstore certification)*

DCache   -

SAM   -

   Need to upgrade station to v6_0_5_23_srm - in April

Oracle   -

OPEN ISSUES

   IT 1146: cannot test existence of sam tape location
   IT 2071: quadratic project startup time growth

PLAN   -

   Migration to 9940B tape can proceed anytime

DB:

D0 :

   D0 offline db is getting the Warning message Message=*ORA-error stack
(07445[opidsa()+480])

   Solution: Need to apply the patch 5648872   - Scheduling on d0ofdev1, Wed
04/09/2008 10:00AM - Interruption 1/2 Hr.

On May 6th will deploy this patch and the other quarterly patches. The patch above will only be applied to D0 since that's the only place where the problem is seen. Patch will be tested in dev.

CDF :
         - No news

MINOS:
         - No News

Enstore/dCache:

Scheduled Downtimes:

tapes, has this been caught in enstore certification)

Operations:

o d0en
   - Upgrade took longer than expected, otherwise went well.
   - Ran out of blank LTO2s Sunday, but not really. Reclaimed
     79 blank LTO2s that had been assigned to fi le families,
     but no files were written.

o cdfen

o cdfdca

o stken

o fndca
   - One failed raid disk each replaced on two pool nodes.
     Arrays had been degraded, rebuilt after replacement.

*CD Ops meeting shows a downtime on 4/17 - but we don't know if pnfs will be
involved. Art will find out.*

Scheduled Downtimes:

o stken - ???

Operations: